

## **Supplementary Information: Tables**

**Sup Table 1(a).** Facial site exposure ratio measured between 2005 and 2008 and expressed as a percentage for the SZA range 0°-30°. ER ranges in the table show high exposed areas in red (ER: 75-100), mid exposed areas in blue (ER:25-74) and low exposed areas uncloured (ER: 0-25).

	Cv1	Cv2	Cv3	Cv4	Cv5	Cv6	Cv7	Cv8	Cv9	Cv10	Cv11	Cv12	Cv13	Cv14	Cv15	Cv16	Cv17	Cv18
Ch1	100	100	82	85	77	96												
Ch2	67	100	84	95	95		85	58										
Ch3		100	80	77	85		64		70	86								
Ch4	87	80	84		76		88	68	71	81	72							
Ch5		78	74		89				46	94	74	69						
Ch6		70	53		56		79			41		79	65					
Ch7					49			56	49	67	28	46	40	55				
Ch8		38	58										38	48	42			
Ch9					58		45			62	42				47			
Ch10		51	52		50				54					36	29			
Ch11					88			84		45				45		36		
Ch12		30	45				49				29	33	29	27	29	26		
Ch13					50				54	69					46	40		
Ch14		56	34						69	60		29			22	17		
Ch15					51		42			43		48		25		22		
Ch16		32	27						4			23	35		13	23		
Ch17					4					7		14		22	29	18		
Ch18		17	6		8		10							27	17	22		
Ch19					8					16	9	9	15	26				
Ch20	59	23	11		7									25	19	19		
Ch21					7			15		21	8	8		25	14		65	
Ch22	70	55	42		17										18	31	75	
Ch23	59	40	32			31		35		31	40	21	29	25	21			
Ch24		55	34		54			34		40				17		19	22	31
Ch25	27	19	47		44			48			47	34	22					
Ch26				40						29				26	20	7	13	25
Ch27		5	8		30			35			29	18	24	14	28			9
Ch28					25					24				16	12	20	26	
Ch29		12	19					27			17	9	14	15			8	
Ch30	28		37		38		36		19	15	14	12	17	15		20		
Ch31		40	46					26			10	9		15		17		
Ch32					33					20		13		8		10		
Ch33		5	8					21			14	12	13	6				
Ch34					26					19		16						
Ch35		25	28					14			18	15	15					
Ch36					16	12				21								
Ch37		7	7					26	16		19	14						
Ch38					19		27	19		18		10						
Ch39		33	29								12	13						
Ch40					38			19		15	7							
Ch41		21	16						11	5		19						
Ch42					6	10	8	7	3	11								
Ch43		4	5			4	3	8				25						
Ch44	1	1	1		3		5			23								
Ch45			3	2								28						
Ch46					7		9	15		18								
Ch47			7									29						
Ch48					13		14			17								
Ch49			9		11			18				29						

**Sup Table 1(b).** Facial site exposure ratio measured between 2005 and 2008 and expressed as a percentage for the SZA range 30°-50°. ER ranges in the table show high exposed areas in red (ER: 75-100), mid exposed areas in blue (ER:25-74) and low exposed areas uncloured (ER: 0-25).

	Cv1	Cv2	Cv3	Cv4	Cv5	Cv6	Cv7	Cv8	Cv9	Cv10	Cv11	Cv12	Cv13	Cv14	Cv15	Cv16	Cv17	Cv18
Ch1	100		69 97					70										
Ch2							100											
Ch3			69					63										
Ch4							100											
Ch5	71	66		70		70		64		75	66	75	57					
Ch6			61				90											
Ch7	65											56	88					
Ch8			45				79	55										
Ch9	62													70	46			
Ch10							58					10						
Ch11	66							60						53	46			
Ch12							77											
Ch13	69												32	51				
Ch14		16		48		54	82	57		59		47	33	29	33	32		
Ch15	66							49						40				
Ch16								12					37		32			
Ch17	35													42				
Ch18								13	9									
Ch19	38												26	48				
Ch20								21	16									
Ch21	82		27											42				
Ch22							33						44					
Ch23	98		46					37						60				
Ch24		47		53		57	83	58		58		52	43	36	28		20	24
Ch25	56		36					49					38	47	17			
Ch26							51											
Ch27	9													32	31			
Ch28			16				39	34										
Ch29	31												22	32				
Ch30							54								30			
Ch31	67	44	35	45		39		30		19		18	20	25		20		
Ch32							40						21					
Ch33	12		8											6				
Ch34							31	24					15					
Ch35	50		37															
Ch36							26						18					
Ch37	11							19										
Ch38			18				42											
Ch39	54							21										
Ch40			35				38											
Ch41	34	16		16		41		14										
Ch42			17					8										
Ch43	8																	
Ch44							13	11										
Ch45																		
Ch46	8						24	21										
Ch47																		
Ch48	12						25											
Ch49								26										

**Sup Table 1(c).** Facial site exposure ratio measured between 2005 and 2008 and expressed as a percentage for the SZA range 50°-80°. ER ranges in the table show high exposed areas in red (ER: 75-100), mid exposed areas in blue (ER:25-74) and low exposed areas uncoloured (ER: 0-25).

	Cv1	Cv2	Cv3	Cv4	Cv5	Cv6	Cv7	Cv8	Cv9	Cv10	Cv11	Cv12	Cv13	Cv14	Cv15	Cv16	Cv17	Cv18
Ch1	100	100	81	83	100		73	74										
Ch2	100	96		100					100									
Ch3							100		79									
Ch4	100	94									63	77						
Ch5							84		92			88	97					
Ch6	78	73												83				
Ch7							80		94				72	72				
Ch8	94	73									66		78	63				
Ch9							90		86									
Ch10	88	78						39					62	100	66			
Ch11							75		79		74					68		
Ch12	88	65						55						61				
Ch13							83		66		60		56			61		
Ch14	92	77						54					52	53	53			
Ch15							82		77							54		
Ch16	56	58						18				53	45	34		57		
Ch17							11		28					43		26		
Ch18	41	29											45	94	31			
Ch19							34		39	18			54			36		
Ch20	67	61											11	43				
Ch21							42	25	39						23	52		
Ch22	100	53	30							38		58		77				
Ch23							59							49	49			65
Ch24	33	75						83	64			83	52	44		31		
Ch25			46				79	51			82						16	47
Ch26	25	26							73					47				
Ch27							56	37					51		49			37
Ch28	21	15									47	23		51				
Ch29							52		51				22		34		25	
Ch30	65	63						40			33			30				
Ch31							59						28	27		37		
Ch32	39	39						56	44		33	33		34				
Ch33							45						24	8				
Ch34	64	72									22							
Ch35							39	39	30			38	41					
Ch36	22										45							
Ch37		15					41	37										
Ch38	36								35		36	29						
Ch39		66				45	63					23						
Ch40	62							24			18	44						
Ch41		33				43	25		22			38						
Ch42	29																	
Ch43		10					8		28	43		36						
Ch44	7	0																
Ch45	1	1					14		40	35		27						
Ch46																		
Ch47	13						15			46		58						
Ch48									52									
Ch49	28	16					35			33		43						

**Sup Table 2(a).** Site exposure ratio measured to the back of the neck and expressed as a percentage for the SZA range 0°-30° and cloud cover less than 4 oktas measured between 2005 and 2008. ER ranges in the table show high exposed areas in red (ER: 75-100), mid exposed areas in blue (ER:25-74) and low exposed areas uncloured (ER: 0-25).

	Cv1	Cv2	Cv3	Cv4	Cv5	Cv6	Cv7	Cv8	Cv9
Ch1	6		6	17	7	16	8		
Ch2	10		9		12		12		
Ch3	13		14		14		12		
Ch4	14		18		17		15		
Ch5	20		15	20	20	24	19		
Ch6	19		17		21	23	19		
Ch7	20		18		17	26	23		
Ch8	21		22		23	34	27		
Ch9	17		22	28	21	18	32		
Ch10	20		22		29		32	50	
Ch11	23		23		32		37	52	50
Ch12	19		20		26		30	38	48
Ch13	24		28		20	39	34	36	40

**Sup Table 2(b).** Site exposure ratio measured to the back of the neck and expressed as a percentage for the SZA range 30°-50° and cloud cover greater than 4 oktas measured between 2005 and 2008. ER ranges in the table show high exposed areas in red (ER: 75-100), mid exposed areas in blue (ER:25-74) and low exposed areas uncloured (ER: 0-25).

	Cv1	Cv2	Cv3	Cv4	Cv5	Cv6	Cv7	Cv8	Cv9
Ch1		14		13		13			
Ch2		21		21		16			
Ch3		24		23		23			
Ch4		32		30		27			
Ch5		38		35		32			
Ch6		33		37		35			
Ch7		56		33		35			
Ch8		35		32		47			
Ch9		37		38		44			
Ch10		33		44		44		62	
Ch11		40		30		40		49	53
Ch12		43		69		42		59	
Ch13		38		42		44		48	

**Sup Table 2(c).** Site exposure ratio measured to the back of the neck and expressed as a percentage for the SZA range 50°-80° and cloud cover less than 4 oktas measured between 2005 and 2008. ER ranges in the table show high exposed areas in red (ER: 75-100), mid exposed areas in blue (ER:25-74) and low exposed areas uncloured (ER: 0-25).

	Cv1	Cv2	Cv3	Cv4	Cv5	Cv6	Cv7	Cv8	Cv9
Ch1	19								
Ch2									
Ch3	43								
Ch4									
Ch5	49				47		48		
Ch6			49						
Ch7	59				62		57		
Ch8			48						
Ch9	58				66		69		
Ch10			56						
Ch11	45				63		77		86
Ch12			60						
Ch13	62				68		68		73

**Sup Table 3(a).** Site exposure ratio measured to the arm and expressed as a percentage for the SZA range 0°-30° and cloud cover less than 4 oktas measured between 2005 and 2008. ER ranges in the table show high exposed areas in red (ER: 75-100), mid exposed areas in blue (ER:25-74) and low exposed areas uncoloured (ER: 0-25). Contours located on the anterior of the arm recorded the highest exposures.

	Cv1	Cv2	Cv3	Cv4	Cv5	Cv6	Cv7	Cv8	Cv9	Cv10	Cv11	Cv12	Cv13	Cv14	Cv15	Cv20	Cv21	Cv22	Cv23
Ch1																			
Ch2																			
Ch3																			
Ch4																			
Ch5																			
Ch6																			
Ch7																			
Ch8																			
Ch9																			
Ch10																			
Ch11																			
Ch12																			
Ch13																		5	9
Ch14	18	9	6	7	21	5	20	15		8								8	13
Ch15	25	43	43	31	54	23	35	31	13	17	13					3	4	9	10
Ch16	13	23	38	39	61	49	37	32	20	23	17				3		3	6	7
Ch17	12	19	29	30	54	60	40		27	21	19	8	4	3					7
Ch18	8	13	19	27	38	36	44	42	23	22	13	13			3			5	6
Ch19	6	10	19	29	31	40	43	36	25	23		11	8	5			3	5	
Ch20	5	9	13	23	30	41	39					10	6	4	4				
Ch21				18	29	43			40				6	3	4				
Ch22						35							5	4	4				
Ch23						27							5		6				
Ch24													7	3	4				
Ch25															3				
Ch26														4					
Ch27												8			3				
Ch28													4						

**Sup Table 3(b).** Site exposure ratio measured to the arm and expressed as a percentage for the SZA range 30°-50° and cloud cover less than 4 oktas measured between 2005 and 2008. ER ranges in the table show high exposed areas in red (ER: 75-100), mid exposed areas in blue (ER:25-74) and low exposed areas uncoloured (ER: 0-25). Measurements made underneath the shirt covering the shoulder had an ER of 0. Contours located on the anterior of the arm recorded the highest exposures.

	Cv1	Cv2	Cv3	Cv4	Cv5	Cv6	Cv7	Cv8	Cv9	Cv10	Cv11	Cv12	Cv13	Cv14	Cv15	Cv20	Cv21	Cv22	Cv23	
Ch1																				
Ch2					0															
Ch3							0		0											
Ch4												0								
Ch5					0		0													
Ch6	0									0					0					
Ch7					0															
Ch8										0		0				0		0		
Ch9	0		0		0		0													
Ch10							0	0					0						0	
Ch11	0		0		0							0				0				
Ch12							9		1										3	1
Ch13	10	0	1	1	7		14	8	7	4			0					8	13	
Ch14	18	1	20	8	38	5	13	24	11	6	5	0				6			14	
Ch15	22	28	30	44	49	31	39	40	25	25	17	5		2	3	0	7	15	10	
Ch16	18	25	29	51	46	47	45	46	29	28	25	9	5		4			8	9	
Ch17	17	23	19	40	43	33	49	43	36	32	20			3	4		6	6	8	
Ch18	7	17	33	41	45	45	37	35	34	22	17	22	11					2	8	
Ch19	8	20	29	33	48	49	37	55	41	28		16	13	7	3		6	7		
Ch20	4		20	24	42	42	45		17			14	10	5						
Ch21				23	39	47	19		38				9	5	6					
Ch22						39							7	3						
Ch23						30									7					
Ch24															6					
Ch25												11	4							
Ch26																				
Ch27												11	4	5						
Ch28												15								

**Sup Table 3(c).** Site exposure ratio measured to the arm and expressed as a percentage for the SZA range 50°-80° and cloud cover less than 4 oktas measured between 2005 and 2008. ER ranges in the table show high exposed areas in red (ER: 75-100), mid exposed areas in blue (ER:25-74) and low exposed areas uncoloured (ER: 0-25). Contours located on the anterior of the arm recorded the highest exposures.

	Cv1	Cv2	Cv3	Cv4	Cv5	Cv6	Cv7	Cv8	Cv9	Cv10	Cv11	Cv12	Cv13	Cv14	Cv15	Cv20	Cv21	Cv22	Cv23	
Ch1																				
Ch2																				
Ch3																				
Ch4																				
Ch5																				
Ch6																				
Ch7																				
Ch8																				
Ch9																				
Ch10																				
Ch11															2					
Ch12								11												20
Ch13						6				25					4					24
Ch14	27	20	39	31			66	64	43		46		13							23
Ch15	32	27				61		71		49	65				13	12		14		
Ch16	41	47	62	67				87	76	66	49		23							
Ch17	19	26		55	51	58	72	61	63	54		24		16					11	19
Ch18	19	23	41	55	54		71	69		60	49	41	37		13					
Ch19	12	14	32	47	52	60	63	82	57	44		43			26					
Ch20	11	22		36		55	58	56	66			48	29		18					
Ch21				29	43	54	65						30							
Ch22													19		12					
Ch23						45														
Ch24															12					
Ch25													29							
Ch26															20					
Ch27																				
Ch28													46		21					

**Sup Table 4(a).** Site exposure ratio measured to the hand and expressed as a percentage for the SZA range 0°-30° and cloud cover less than 4 oktas measured between 2005 and 2008. ER ranges in the table show high exposed areas in red (ER: 75-100), mid exposed areas in blue (ER:25-74) and low exposed areas uncloured (ER: 0-25). The dorsa of the hand received the highest exposures. For this research the mannequin hand was tilted from the arm's longitudinal axis increasing the UV radiation received due to the increased proportion of the hand oriented toward a horizontal plane.

	Cv1	Cv2	Cv3	Cv4	Cv5	Cv6	Cv7	Cv8	Cv9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21	C22	C23	
Ch1																	4			4				
Ch2					22														4					
Ch3						42									8		3					13		
Ch4				11	31	45									6			3						
Ch5				37	49	48	37	35	30	27					7			3						
Ch6				65	65		35	34	24	15					5							14		
Ch7				52	76		62		44	26					2									
Ch8				20	69		52		46	30	11				2							3		
Ch9		16		76	73		73		50	42	34				2	5							5	
C10	29		57	66	75		72		48	52	53	6	2	2			1				2		3	10
C11	42	69	51	57	75		71		61	56	53					1					2	1		6
C12			31	63	47	65		63		56		38						2					1	6
C13	32		29	10	42		33	70		40		23				3			2					3
C14	26	22			37	67	9	62		61	8				2			5		8				
C15		17			30	65			10							5								
C16					41	54	3	58		29	28							8	3					
C17					37	17		41		14														
C18					46			11		7														
C19					41			11		9														
C20								9																

**Sup Table 4(b).** Site exposure ratio measured to the hand and expressed as a percentage for the SZA range 30°-50° and cloud cover less than 4 oktas measured between 2005 and 2008. ER ranges in the table show high exposed areas in red (ER: 75-100), mid exposed areas in blue (ER:25-74) and low exposed areas uncloured (ER: 0-25). The dorsa of the hand received the highest exposures. For this research the mannequin hand was tilted from the arm's longitudinal axis increasing the UV radiation received due to the increased proportion of the hand oriented toward a horizontal plane.

	Cv1	Cv2	Cv3	Cv4	Cv5	Cv6	Cv7	Cv8	Cv9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21	C22	C23	
Ch1																		6					15	
Ch2					31										12			6						
Ch3																		5			12		20	
Ch4				21	46	57									10	5							22	
Ch5				50			45	42	44	33								5						
Ch6				61	62	70	53	45		18									6					
Ch7				64	74			56		32						5	4							
Ch8				35			61	55	53	41	25	10			20			2						
Ch9		34		52	76	70	70		58	58	34		3	7	2			1					10	
C10	47		61	67	66				58		52										3		3	20
C11			66				71		51	53	58					3		3						13
C12	39		64	67	53	70	60	46	53	56				4							11		5	9
C13		69	31	10			37		51	32	33													
C14		47			52	72		60	10							8								
C15			16		48	68				60					4				17					
C16					60	15	61	11																
C17					51	31		45		20														
C18					60			24																
C19					57			15		14														
C20								15																

**Sup Table 4(c).** Site exposure ratio measured to the hand and expressed as a percentage for the SZA range 50°-80° and cloud cover greater than 4 oktas measured between 2005 and 2008. ER ranges in the table show high exposed areas in red (ER: 75-100), mid exposed areas in blue (ER:25-74) and low exposed areas uncloured (ER: 0-25). The dorsa of the hand received the highest exposures. For this research the mannequin hand was tilted from the arm's longitudinal axis increasing the UV radiation received due to the increased proportion of the hand oriented toward a horizontal plane.

	Cv1	Cv2	Cv3	Cv4	Cv5	Cv6	Cv7	Cv8	Cv9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21	C22	C23
Ch1																							
Ch2																			3				
Ch3					60											3							
Ch4						60									17			7			39		
Ch5				58		71			60		41												
Ch6					57				53		27					7		10					
Ch7							71			45												0	
Ch8				53	84					68	35	17		17	0		0	0					
Ch9					75		80			58		0		0	0	0	0	0		3			
C10			58		73		42		59					0	0			0					41
C11		67			60		66		56				5		2					6			
C12			70	52	58		78		63														20
C13			10		68		62		53		34									20			
C14	42	31		40	72	7	77								15		12						
C15					60		73		60														
C16				76	67	20																	
C17					34		61											26					
C18				65					8														
C19							36																
C20																							

**Sup Table 5(a).** Site exposure ratio measured to the leg and expressed as a percentage for the SZA range 0°-30° and cloud cover less than 4 oktas measured between 2005 and 2008. ER ranges in the table show high exposed areas in red (ER: 75-100), mid exposed areas in blue (ER:25-74) and low exposed areas uncloured (ER: 0-25). No exposures were measured to contours Cv0, Cv1 or Cv2 as these were protected by the mannequin's shorts which were worn during the measurement period.

	Cv3	Cv4	Cv5	Cv6	Cv7	Cv8	Cv9	Cv10	Cv11	Cv12	Cv13	Cv14	Cv15
Ch1						7	6	9					
Ch2						6	6	22					
Ch3					1	9	5						
Ch4		0	0	1	3	10	5		0	0	0	0	0
Ch5	0	3	2	2	4	11			0	0	0	0	0
Ch6	1	6	4	4	5	10		0	0	0	0	0	0
Ch7	6	8	8	6	8	9		7	12	13	9	1	
Ch8		11	12	10	11	9		10	13	16	13	7	
Ch9		13	15	14	15	10		10	10	15	12	9	
Ch10		15	19	17	18	9		8	8	11	11	19	
Ch11		14	19	19	19	10		8	6	7	11	17	
Ch12		20	23	19	16	7		7	6	6	13	15	
Ch13		23	20	21	16	12		6	8	8	15	15	
Ch14		21	21	20	14	12		7	7	9	16	13	
Ch15		20	20	19	14	14		9	8	9	14	16	
Ch16		20	19	18	14	13		9	8	9	13		
Ch17			16	16	14	16		11	10	9	12		
Ch18			16	18	15	17		9	9	9	12		
Ch19			15	15	15	24		8	10	9	11		
Ch20			13	15	15			7	8	9	10		
Ch21			15	16	17			6	10	9	8		
Ch22				16	17			7	9	10	11		
Ch23				17	16			7	9	10	11		
Ch24				18	17			6	10	9	12		
Ch25				14	16			8	9	10	13		
Ch26				14	19			8	10	11	14		
Ch27					24			8	11	10	13		
Ch28					16			7	11	11	12		
Ch29								9	10	12			
Ch30								10	10	12			
Ch31								10	11	16			
Ch32								9	10	13			
Ch33									10	12			

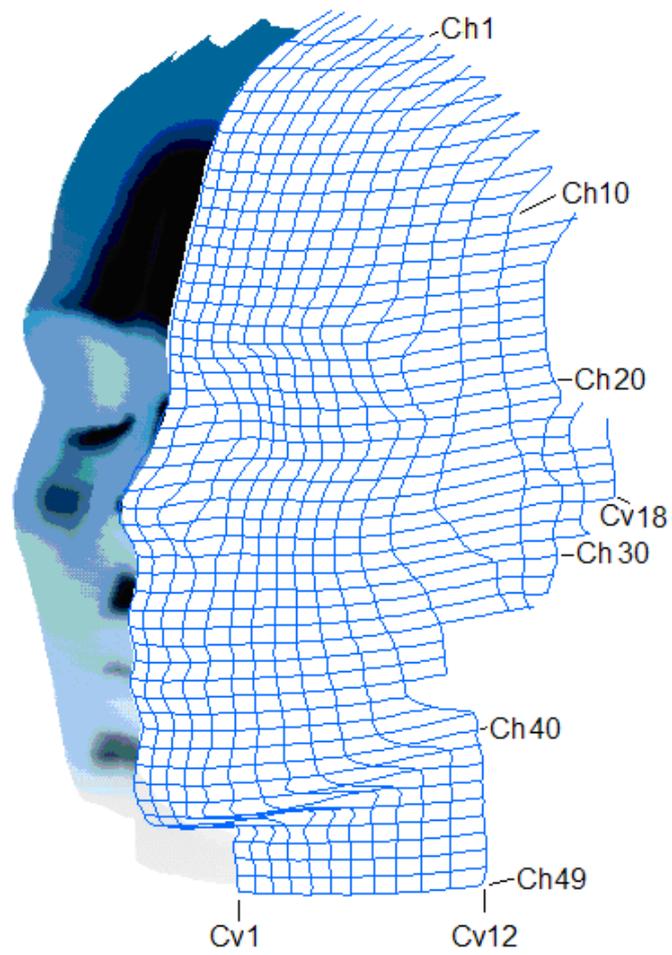
**Sup Table 5(b).** Site exposure ratio measured to the leg and expressed as a percentage for the SZA range 30°-50° and cloud cover less than 4 oktas measured between 2005 and 2008. ER ranges in the table show high exposed areas in red (ER: 75-100), mid exposed areas in blue (ER:25-74) and low exposed areas uncloured (ER: 0-25). No exposures were measured to contours Cv0, Cv1 or Cv2 as these were protected by the mannequin's shorts which were worn during the measurement period.

	Cv3	Cv4	Cv5	Cv6	Cv7	Cv8	Cv9	Cv10	Cv11	Cv12	Cv13	Cv14	Cv15
Ch1						17	13	18					
Ch2					4	21	11	35					
Ch3		4	5	6	9	23	11						
Ch4	6	11	9	8	12	25	10						
Ch5	13	15	13	13	13	31			14	20	17		9
Ch6	21	22	18	15	20	25			16	22	25	37	19
Ch7	25	28	29	21	25	21			17	22	28	38	30
Ch8		34	33	18	38	22			17	20	26	22	29
Ch9		37	34	29	43	23			14	17	25	44	30
Ch10		52	29	38	38	23			14	10	24	44	42
Ch11		43	45	31	42	22			11	12	22	42	45
Ch12		44	44	38	33	27			13	13	21	43	31
Ch13		37	47	36	33	28			10	13	21	48	35
Ch14		33	39	44	36	35			12	12	21	46	33
Ch15		39	32	28	33	30			18	15	21	40	33
Ch16		36	32	32	30	40			14	14	21	36	
Ch17			27	31	34	35			14	14	21	35	
Ch18			29	35	35	46			14	14	20	22	
Ch19			34	31	45	41			13	14	15	26	
Ch20			21	28	41				12	13	16	27	
Ch21			32	38	48				11	15	16	26	
Ch22				38	39				11	14	17	23	
Ch23				32	36				14	16	18	29	
Ch24				26	36				11	15	19	32	
Ch25				33	37				13	15	24	29	
Ch26				26	39				16	16	19	33	
Ch27					43				13	18	23	26	
Ch28					44				15	17	25	25	
Ch29									15	18	23		
Ch30									16	19	23		
Ch31									14	21	22		
Ch32									15	19	28		
Ch33										14	25		

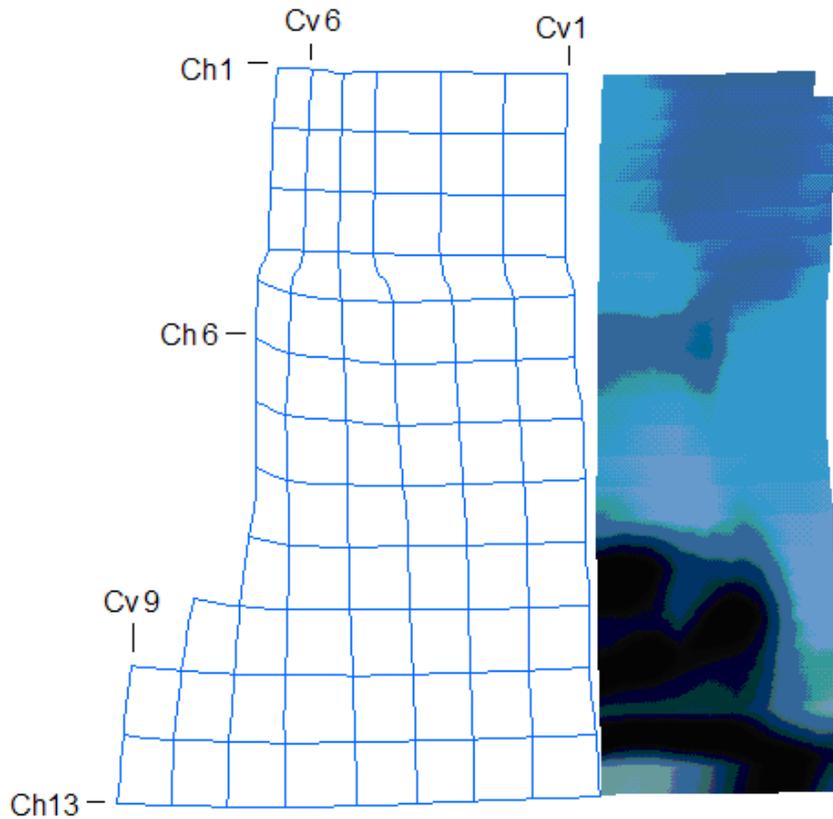
**Sup Table 5(c).** Site exposure ratio measured to the leg and expressed as a percentage for the SZA range 50°-80° and cloud cover less than 4 oktas measured between 2005 and 2008. ER ranges in the table show high exposed areas in red (ER: 75-100), mid exposed areas in blue (ER:25-74) and low exposed areas uncoloured (ER: 0-25). No exposures were measured to contours Cv0, Cv1 or Cv2 as these were protected by the mannequin's shorts which were worn during the measurement period.

	Cv3	Cv4	Cv5	Cv6	Cv7	Cv8	Cv9	Cv10	Cv11	Cv12	Cv13	Cv14	Cv15
Ch1						33	24						
Ch2					12								
Ch3					19	36							
Ch4					22								
Ch5		35		35							47		
Ch6	43		42		40								
Ch7	50		38	36					32		50	36	51
Ch8		45	15		58								38
Ch9		63	70	41					34	37	51	56	
Ch10		62	42	58	65						37		77
Ch11		64	62	65	55				24	25		40	
Ch12		71	70		52						31		48
Ch13		62	75		46				27	25			
Ch14		60	53		56						35		47
Ch15		43	59	59	40				39	25		61	52
Ch16		62	60		45						27		
Ch17			53		44					27		57	
Ch18			56	59	51						41		
Ch19			55		57					33		42	
Ch20			46	51							45		
Ch21			49		57					24			
Ch22				58							32		
Ch23				54	60					33		37	
Ch24				51							26		
Ch25				52	58							53	
Ch26				51	53						42		
Ch27					61							45	
Ch28					50						49		
Ch29													
Ch30											41		
Ch31													
Ch32											40		
Ch33													

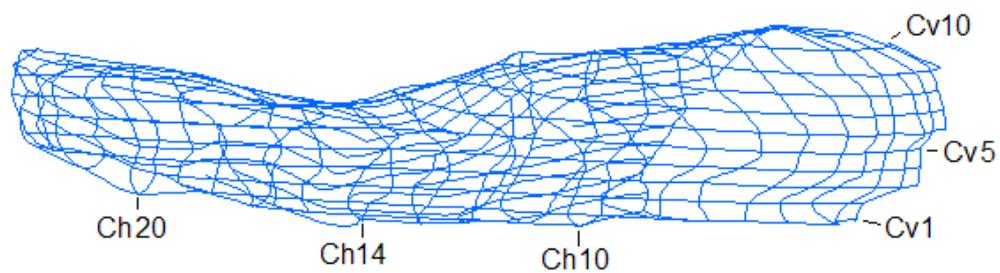
## Supplementary Information: Figures



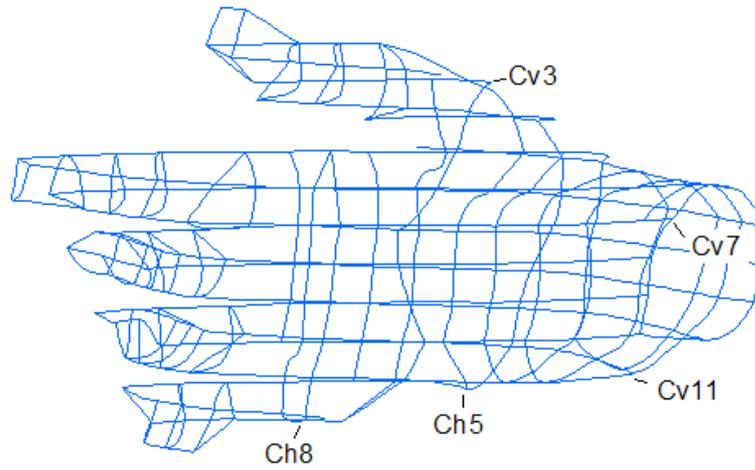
**Sup Figure 1.** Horizontal (Ch) and vertical (Cv) facial contour assignments.



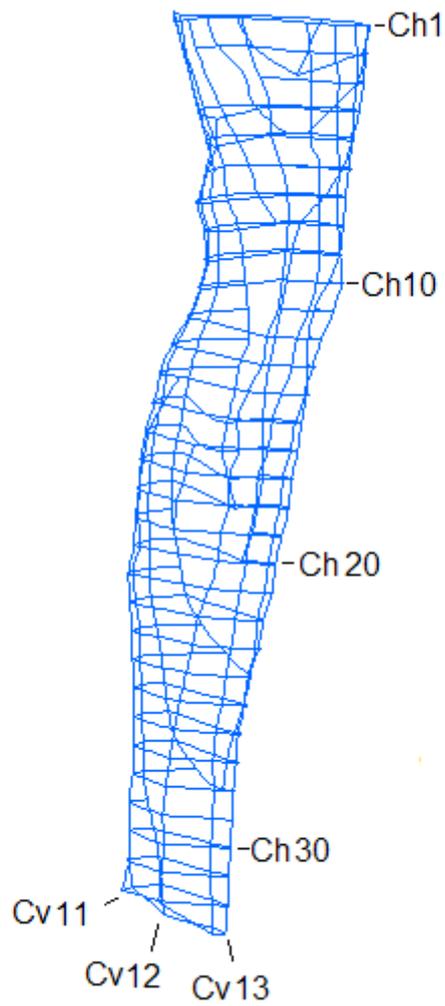
**Sup Figure 2.** Horizontal (Ch) and vertical (Cv) neck contour assignments.



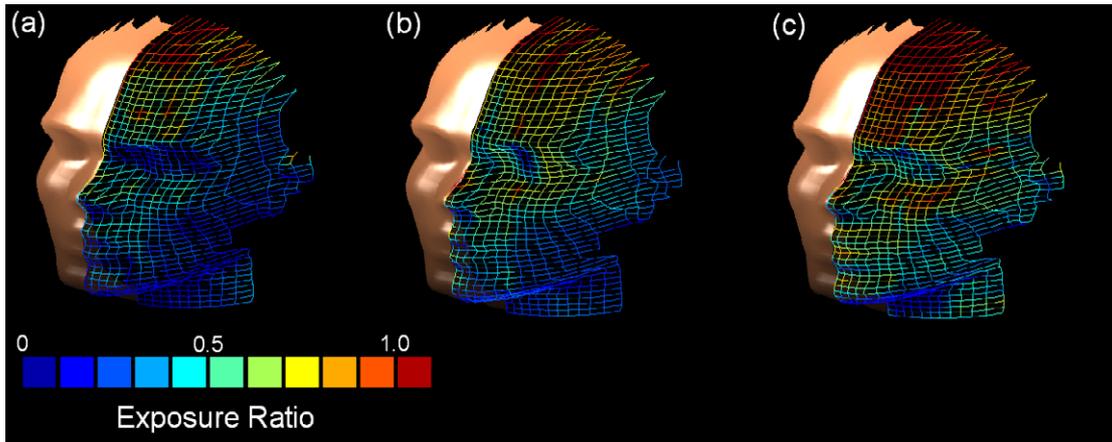
**Sup Figure 3.** View of three dimensional arm surface from behind the shoulder. Contours marked Cv1 through Cv23 are oriented along the arm's longitudinal axis. Anterior contours Cv1, Cv5 and Cv10 are shown. Contours marked Ch10, Ch14 and Ch20 are also shown on the diagram. These contours formed complete bands around the arm surface and were numbered from the shoulder (figure right) to the wrist (figure left). Vertical and horizontal contour assignments were given for the arm in its natural position when attached to the body mannequin such that banded contours are the horizontal contours in the wireframe.



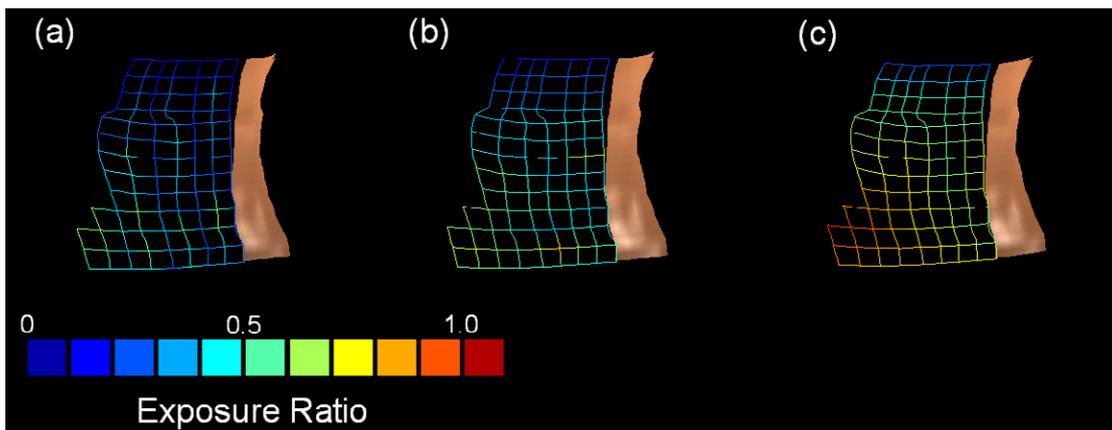
**Sup Figure 4.** Contours marked Cv1 through Cv23 represent the longitudinal contours extending from the wrist to the finger tips of the three dimensional hand surface. These contours start and end on the thumb. Contours banded about the hand surface and individual fingers start from the wrist and extend to the finger tip bands. Contours Ch5 and Ch8 are shown in the figure. Vertical and horizontal contour assignments were given for the hand in its natural position when attached to the body mannequin such that banded contours are the horizontal contours in the wireframe.



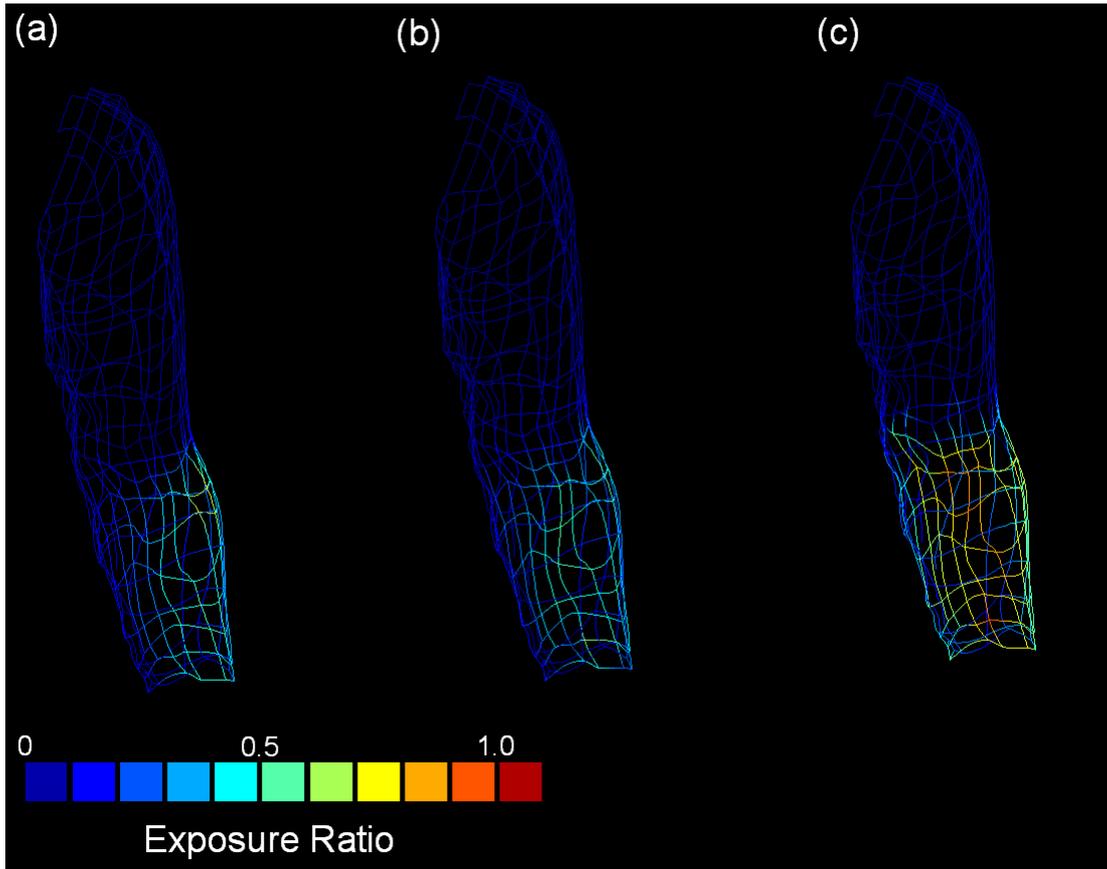
**Sup Figure 5.** Longitudinal leg contours extending from the upper thigh to the ankle start at Cv0 and end at Cv16. Contours Cv11 through Cv13 are shown in the figure for a forward facing view of the leg model showing the knee positioned to the upper right. Banded contours Ch1, Ch10, Ch20 and Ch30 show the thigh to ankle order in which these contours were labeled.



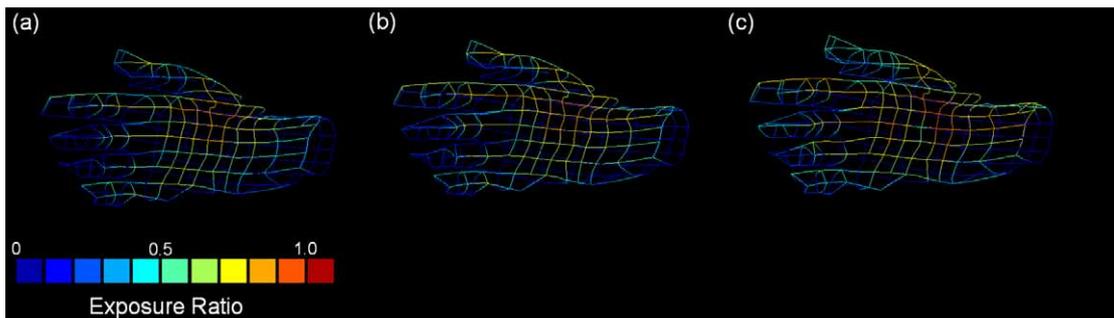
**Sup Figure 6.** Facial ER measured under low cloud cover conditions over the 2005 to 2008 period. (a) Facial ER measured in the SZA range  $0^{\circ}$ - $30^{\circ}$ ; (b) Facial ER measured in the SZA range  $30^{\circ}$ - $50^{\circ}$ ; (c) Facial ER measured in the SZA range  $50^{\circ}$ - $80^{\circ}$ .



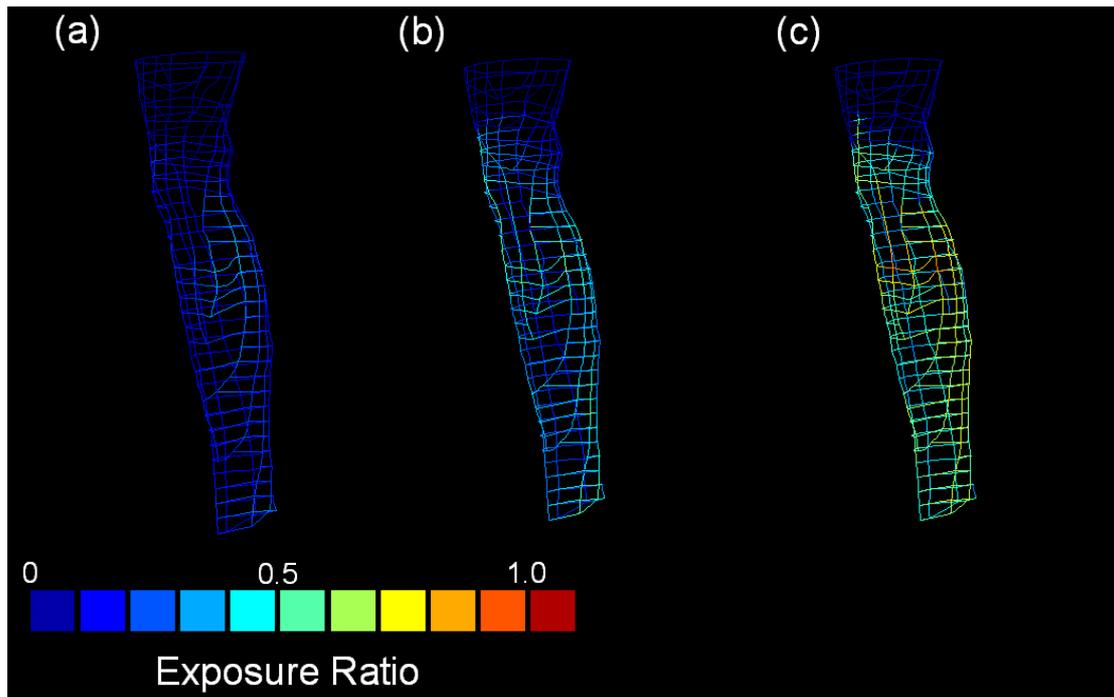
**Sup Figure 7.** ER measured to the back of the neck under low cloud cover conditions for SZA ranges  $0^{\circ}$ - $30^{\circ}$  and  $50^{\circ}$ - $80^{\circ}$  and high cloud cover conditions in the SZA range  $30^{\circ}$ - $50^{\circ}$  measured over the 2005 to 2008 period. (a) Neck ER measured in the SZA range  $0^{\circ}$ - $30^{\circ}$ ; (b) Neck ER measured in the SZA range  $30^{\circ}$ - $50^{\circ}$ ; (c) Neck ER measured in the SZA range  $50^{\circ}$ - $80^{\circ}$ . The greatest exposure was measured on the lower region of the neck toward the shoulder.



**Sup Figure 8.** ER measured to the arm under low cloud cover conditions over the 2005 to 2008 period. (a) Arm ER measured in the SZA range  $0^{\circ}$ - $30^{\circ}$ ; (b) Arm ER measured in the SZA range  $30^{\circ}$ - $50^{\circ}$ ; (c) Arm ER measured in the SZA range  $50^{\circ}$ - $80^{\circ}$ . The anterior region of the lower forearm received the greatest exposure. The shoulder of the mannequin arm was protected by the sleeves of a polo style shirt.



**Sup Figure 9.** ER measured to the hand under low cloud cover conditions over the 2005 to 2008 period. (a) Hand ER measured in the SZA range  $0^{\circ}$ - $30^{\circ}$ ; (b) Hand ER measured in the SZA range  $30^{\circ}$ - $50^{\circ}$ ; (c) Hand ER measured in the SZA range  $50^{\circ}$ - $80^{\circ}$ . The palm of the hand received negligible exposures.



**Sup Figure 10.** ER measured to the leg under low cloud cover conditions over the 2005 to 2008 period. (a) Leg ER measured in the SZA range  $0^{\circ}$ - $30^{\circ}$ ; (b) Leg ER measured in the SZA range  $30^{\circ}$ - $50^{\circ}$ ; (c) Leg ER measured in the SZA range  $50^{\circ}$ - $80^{\circ}$ . The greatest exposure was measured over the upper anterior calf muscle region of the mannequin leg.

